



8. Which of the following is equivalent to  $(x + y + z)(x - y - z)$ ?

A  $x^2 - y^2 - z^2$

B  $x^2 - y^2 + z^2$

C

$x^2 - xy - xz - z^2$

D  $x^2 - (y + z)^2$

E  $x^2 - (y - z)^2$

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8. **D**  $(x + y + z)(x - y - z) = [x + (y + z)][x - (y + z)] = x^2 - (y + z)^2.$